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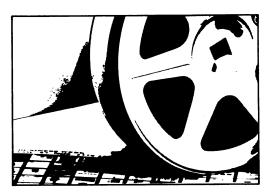
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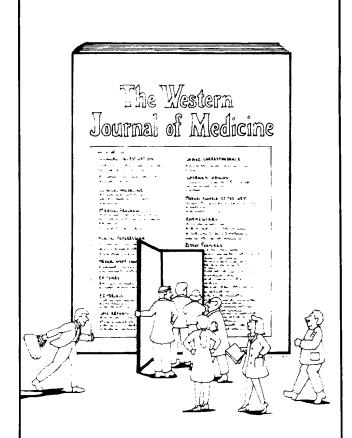
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Manuscripts for consideration should be sent to the editor, Malcolm S. M. Watts,

MD, PO Box 7602, San Francisco, CA 94120-7602. "Information for Authors"—A complete guide to manuscript submission and WJM style appears in the January and July issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (British

Medical Journal, June 12, 1982; Annals of Internal Medicine, June 1982).

Author Responsibility—Authors are responsible for all statements, conclusions and methods of presenting subjects. Articles are accepted on condition that they are contributed solely to this journal.

Manuscripts-Ordinarily manuscripts should not exceed 3,000 words (less than 15 typed double-spaced pages). The original manuscript and two copies should be submitted, typed double-spaced throughout. If photographic illustrations are desired, three sets of clear, unmounted black and white glossy prints should be supplied. For line drawings, original artwork or glossy prints are acceptable. Tables should be typed on separate sheets of paper.

Clinical Investigation—Papers that authors wish considered for the Clinical Investigation section should be so designated in the transmittal letter. Such papers should describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease.

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Continuing Medical Education

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ARIZONA

The following list of continuing medical education programs in Arizona is compiled by the Arizona Medical Association. All courses listed have been certified as meeting the criteria for Category I of the ArMA CME Certificate and the AMA Physicians Recognition Award. To list Category I continuing medical education programs, please send information to Arizona Medical Association, 810 West Bethany Home Road, Phoenix, AZ 85013; or phone (602) 246-8901.

Brochures and registration forms are available from the contact person or organization sponsoring the program.

April 30-Medical and Psychological Perspectives of Post-Polio Sequelae. Ramada Inn Airport North, Phoenix. Sat. Contact: Pat Caldwell, Arizona Easter Seal Society, (602) 252-6061.

June 9-Arizona Medical Association Annual Scientific Session. Loews Ventana Canyon Resort, Tucson. Thurs. Contact: ArMA.

PATHOLOGY

May 14-15-Selected Topics in Gynecologic Pathology. Arizona Society of Pathologists and U of A at Westward Look Resort, Tucson. Sat-Sun. 7 hrs. Contact: Beverly Richter, Arizona Society of Pathologists, 810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901.

CONTACT INFORMATION

ArMA-Contact: Arizona Medical Association, 810 W Bethany Home Rd, Phoenix, AZ 85013. (602) 246-8901.

U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-6707.

CALIFORNIA, HAWAII AND **NEVADA**

This listing of continuing education programs in California, Hawaii and Nevada is supplied by the Committee on Continuing Medical Education of the California Medical Association. All courses and meetings listed have been approved for Category I credit toward the CMA Certificate in Continuing Medical Education. To have accredited courses listed here, please send information at least two months in advance to Department of Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690; or phone (415) 863-5522. For a list of organizations approved for Category I credit toward the CMA Certificate in Continuing Medical Education or for more information on accreditation or certification, please write to the above address.

ANESTHESIOLOGY

May 15-20—Hawaiian Seminar on Clinical Anesthesia. California Society of Anesthesiologists at Sheraton Kauai Hotel, Poipu Beach, Kauai. Sun-Fri. 20 hrs. \$325-375. Contact: California Society of Anesthesiologists, 1065 Hillsdale Blvd, #410, Foster City 94404.

May 16-20—5th International Symposium: Computing in Anesthesia and Intensive Care. UCSD at US Grant Hotel, San Diego. Mon-Fri. 20 hrs. \$300. Contact: UCSD.

June 16-19-California Society of Anesthesiologists 1988 Annual Meeting at Marriott Hotel, Anaheim. Thurs-Sun. 16 hrs. \$150-225. Contact: California Society of Anesthesiologists, 1065 Hillsdale Blvd, #410, Foster City 94404. (415) 345-3020.

August 21-27—Hawaiian Seminar on Clinical Anesthesia. California Society of Anesthesiologists at Inter-Continental Hotel, Wailea, Maui. Sun-Sat. 20 hrs. \$325/\$375. Contact: CSA, 1065 E. Hilldale Blvd, Suite 410, Foster City 94404. (415) 345-3020.

October 16-21—Hawaiian Seminar on Clinical Anesthesia. California Society of Anesthesiologists at Westin Maui Hotel, Maui. Sun-Fri. 20 hrs. \$325/\$375. Contact: CSA, 1065 Hilldale Blvd, Suite 410, Foster City 94404. (415) 345-3020.

CARDIOLOGY

April 15-17—Coronary Artery Disease: A Commemorative Symposium-75 Years Since Anitschkow and Herrick. UCSF. Contact:

April 18-27—Cardiology for the Consultant. Scripps Clinic and Research Foundation at the Inn at Rancho Santa Fe, Rancho Santa Fe. Mon-Wed. 40 hrs. \$900. Contact: Bonny Mower, 10666 N. Torrey Pines Road, La Jolla, 92037. (619) 457-8556.

April 24—Cardiology Symposium 1988. Inter-Community Medical Center at Industry Hills & Sheraton Resort, City of Industry. Sun. \$100. Contact: Inter-Community Medical Center, Dept. of Education. (818) 915-6242.

KEY TO ABBREVIATIONS

California Medical Association CMA:

Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 863-5522.

DREW: Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.

Loma Linda University
Contact: Varner J. Johns, Jr, MD, Associate Dean for Continuing
Medical Education, Loma Linda University School of Medicine,
Loma Linda 92354. (714) 796-7311, ext 2400.

Pacific Medical Center PMC:

Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.

STAN: Stanford University

Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.

University of California, Davis

Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 453-5390.

UCI: University of California, Irvine

Contact: Melvin I. Marks, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Medical Center, 2801 Atlantic Avenue, Long Beach 90801-1428. (213) 595-3811, or (714) 856-5414, UCI Exten-

UCLA: University of California, Los Angeles
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7241.

University of California, San Diego Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 534-3713.

UCSF: University of California, San Francisco

Contact: Robert Maggio, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.

USC: University of Southern California

Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

(Continued on Page 418)

XANAX° Tablets (alprazolam) 6

CONTRAINDICATIONS

Patients with sensitivity to this drug or other benzodiazepines and in acute narrow angle glaucoma.

WARNINGS

Not of value in psychotic patients. Caution patients against hazardous occupations requiring complete mental alertness and about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Benzodiazepines can cause fetal harm in pregnant women. Warn patients of the potential hazard to the fetus. Avoid during the first trimester.

PRECAUTIONS

General: The dosage of XANAX Tablets should be reduced or withdrawn gradually, since withdrawal seizures have been reported upon abrupt withdrawal. If XANAX is combined with other psychotropics or anticonvulsant drugs, consider drug potentiation (see Drug Interaction section). Exercise the usual precautions regarding size of the prescription for depressed or suicidal patients. In elderly and debilitated patients, use the lowest possible dosage (see Dosage and Administration). Observe the usual precautions in treating patients with impaired renal or hepatic function.

Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) not stopping the drug abruptly. Laboratory Tests: Not ordinarily required in otherwise healthy patients. Drug Interactions: Additive CNS depressant effects with other psychotropics, anticonvulsants, antihistamines, ethanol and other CNS depressants. Pharmacokinetic interactions with other drugs, e.g., cimetidine, have been reported. Drug/Laboratory Test Interactions: No consistent pattern for a drug or test. Carcinogenesis, Mutagenesis, Impairment of Fertility: No carcinogenic potential or impairment of fertility in rats. Pregnancy: See Warnings. Nonteratogenic Effects: The child born of a mother on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity. Labor and Delivery: No established use. Nursing Mothers: Benzodiazepines are excreted in human milk. Women on XANAX should not nurse. Pediatric Use: Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS

Side effects are generally observed at the beginning of therapy and usually disappear with continued medication. In the usual patient, the most frequent side effects are likely to be an extension of the pharmacologic activity of XANAX, e.g., drowsiness or lightheadedness.

Central nervous system: Drowsiness, lightheadedness, depression, headache, confusion, insomnia, nervousness, syncope, dizziness, akathisia, and tiredness/ sleepiness. Gastrointestinal: Dry mouth, constipation, diarrhea, nausea/vomiting, and increased salivation. Cardiovascular: Tachycardia/palpitations, and hypotension. Sensory: Blurred vision. Musculoskeletal: Rigidity and tremor. Cutaneous: Dermatitis/allergy. Other side effects: Nasal congestion, weight gain, and weight loss. Withdrawal seizures have been reported upon rapid decrease or abrupt discontinuation of XANAX. (See Precautions.)

In addition, the following adverse events have been reported with the use of benzodiazepines: dystonia, irritability, concentration difficulties, anorexia, transient amnesia or memory impairment, loss of coordination, fatigue, sedation, slurred speech, jaundice, musculoskeletal weakness, pruritus, diplopia, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

Paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, and hallucinations may occur. Should these occur, discontinue the drug.

During prolonged treatment, periodic blood counts, urinalysis, and blood chemistry analysis are advisable. Minor EEG changes, of unknown significance, have been observed.

DRUG ABUSE AND DEPENDENCE

Physical and Psychological Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Withdrawal seizures have occurred upon rapid decrease or abrupt discontinuation of therapy. In all patients, dosage should be gradually tapered under close supervision. Patients with a history of seizures or epilepsy should not be abruptly withdrawn from XANAX. Addiction-prone individuals should be under careful surveillance. Controlled Substance Class: XANAX is a controlled substance and has been assigned to schedule IV.

OVERDOSAGE

Manifestations include somnolence, confusion, impaired coordination, diminished reflexes and coma. No delayed reactions have been reported.

DOSAGE AND ADMINISTRATION

Dosage should be individualized.

The usual starting dose is 0.25 to 0.5 mg, t.i.d. Maximum total daily dose is 4 mg. In the elderly or debilitated, the usual starting dose is 0.25 mg, two or three times daily. Reduce dosage gradually when terminating therapy, by no more than 0.5 milligram every three days.

HOW SUPPLIED

XANAX Tablets are available as 0.25 mg, 0.5 mg, and 1 mg tablets.

Caution: Federal law prohibits dispensing without prescription.

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J-7384 February 1987

CONTINUING MEDICAL EDUCATION

(Continued from Page 415)

- April 30-May 1—Two-day Seminar on Angioscopy. UCLA at the Neuropsychiatric Institute, Los Angeles. Sat-Sun. 14 hrs. \$500. Contact: UCLA.
- May 4-6—New Perspectives in Pulmonary Rehabilitation and Smoking Cessation. St. Helena Hospital at the Clarion Inn, Napa. Wed-Fri. 14 hrs. \$150. Contact: New Perspectives Council, St. Helena Hospital, Deer Park, 94576. (707) 963-6588.
- May 7—Third Annual Cardiology Symposium. Sutter Health at the Sacramento Inn. Sat. 6 hrs. Contact: Sutter Health CME Dept., 2020 I St., Ste. D, Sacramento, 95814. (916) 446-7681.
- May 13-14—Coronary Heart Disease: Current Concepts. Medical Education Resources at Hilton Hotel, San Francisco. Wed-Thur. 11-13 hrs. \$225-\$295. Contact: MER, 5808 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.
- May 19-20—Cardiology for the Non-Cardiologist. UCI. Thurs-Fri. Contact: UCI.
- June 6-8—Advanced Echocardiography & Doppler Ultrasound 1988. American College of Cardiology at Sheraton Harbor Island, San Diego. Mon-Wed. Contact: Registration Secretary, EP Dept. ACC, 9111 Old Georgetown Road, Bethesda, MD 20814.
- June 30-July 2—Consultative Cardiology: Update in Diagnostic and Therapeutic Techniques. ACC, Orange Coast Heart Institute and Hoag Memorial Hospital at Westin South Coast Plaza, Costa Mesa. Thur-Sat. Contact: Registration Secretary, EP Dept., ACC, 9111 Old Georgetown Road, Bethesda, MD 20814.

DERMATOLOGY

- May 21—Summary of Clinical Use of Argon, YAG, and CO2 Lasers for Cutaneous Lesions. Palo Alto Medical Foundation at Palo Alto Medical Clinic. Sat. 6 hrs. Contact: Palo Alto Medical Clinic, 300 Homer Ave, Palo Alto 94301. (415) 321-4121.
- August 12-14—Dermatologic Surgery: State of the Art 1988. Stanford University at Monterey Sheraton, Monterey. Fri-Sun. Contact: Paul H. Jacobs, MD, Dept. of Dermatology, UMC Stanford, 94305. (415) 723-6105.
- August 21-28—International Symposium: Hot Spots in Dermatology. Kauai Medical Group at Molokai, Hawaii. One week. Contact: David Elpern, MD, 3420-B Kuhio Highway, Lihue, Hawaii 96766. (808) 245-1507.

EMERGENCY MEDICINE

- May 11-15—Tenth Annual Wound Management Workshop. UCSD at San Diego Hilton Beach and Tennis Resort. Wed-Sun. 19 hrs. Contact: Edith S. Bookstein/WMW, PO Box 1386, La Jolla 92038. (619) 454-3212.
- May 12-14—Modern Concepts in Trauma Care Symposium. Orange County Trauma Society at Disneyland Hotel, Anaheim. Thurs-Fri. 18 hrs. Contact: Orange County Trauma Society, (800) 368-0911.
- June 6-10—Topics in Emergency Medicine. UCSF at Holiday Inn, Union Square, San Francisco. Mon-Fri. 32 hrs. \$420. Contact: UCSF.
- August 29-September 2—**Topics in Emergency Medicine.** UCSF at Holiday Inn Union Square, San Francisco. Mon-Fri. 31 hrs. \$420. Contact: UCSF.

INTERNAL MEDICINE

- April 16-23—Internal Medicine. Stanford University Medical Center at The Westin Mauna Kea, Hawaii. Sun-Fri. 25 hrs. \$495. Contact: Stanford.
- May 7—Perspectives in Rheumatology. UCLA at the Century Plaza Hotel, Century City. Sat. 6 hrs. \$25. Contact: UCLA.
- May 23-27—Advances in Internal Medicine, UCSF at Sheraton-Palace Hotel, San Francisco. Mon-Fri. 32 hrs. \$440. Contact: UCSF.
- May 27-29—California Society of Internal Medicine Annual Meeting at Nikko Hotel, San Francisco. Fri-Sun. Contact: Kathy Matikonis, California Society of Internal Medicine, PO Box 880606, San Francisco, 94188-0606. (415) 882-5198.
- June 6-10—Advances in Internal Medicine, UCSF at Cole Hall. 32 hrs. \$440. Contact: UCSF.
- June 15-17—Gastroenterology: Advances in Diagnosis and Management. UCSF at The Mark Hopkins Hotel, San Francisco. Wed-Fri. 17 hrs. \$375. Contact: UCSF.

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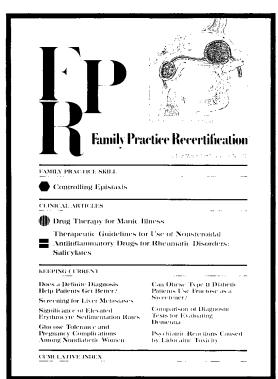
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(Continued from Page 418)

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September 22-24—International Symposium on Medical Virology. UCI at Ramada Renaissance Hotel, San Francisco. Thurs-Sat. Contact: Dr Luis M. de la Maza, Department of Pathology, Rt 84, UCI Medical Center, 101 City Drive S., Orange, 92668. (714) 634-6868.

OB/GYN

- April 21-23—10th Annual Orange County OB/GYN Congress. Orange County Obstetrical and Gynecological Society at Westin Hotel, South Coast Plaza, Costa Mesa. Thur-Sat. 15 hrs. \$300. Contact: Paula Rogers, PO Box 1297, Orange 92668. (714) 978-1260.
- June 30-July 3—6th Annual Controversies in Obstetrics & Gynecology. Center for Health Education at Mauna Kea Beach Hotel, Hawaii. Thur-Sun. Contact: The Center for Health Education, 2081 Atlantic Ave., PO Box 1428, Long Beach, 90801-1428. (213) 595-3811.
- August 19-21—1988—Office Gynecology for the Primary Care Physician. Continuing Medical Education Associates and San Diego State University at Hyatt Islandia, San Diego. Fri-Sun. 18 hrs. \$295. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.
- November 10-13—Current Issues in Perinatal Medicine. UCI at Marriott's Rancho Las Palmas Resort, Palm Springs. Thurs-Sat. Contact: UCI
- November 13-19—11th Annual Review Course in Clinical Obstetrics & Gynecology. The Center for Health Education at Westin South Coast Plaza Hotel, Costa Mesa. Sun-Sat. Contact: The Center for Health Education, 2081 Atlantic Ave., PO Box 1428, Long Beach, 90801-1428. (213) 595-3811.

PEDIATRICS

- April 29-30—21st Annual Advances and Controversies in Clinical Pediatrics, UCSF at Mark Hopkins Hotel, San Francisco. Fri-Sat. 16.5 hrs. Contact: UCSF.
- June 24-25—Current Concepts in Child Neurology 1988. Children's Hospital San Diego at the Holiday Inn Montgomery Field, San Diego. Fri-Sat. 10 hrs. Contact: Continuing Medical Education Office, Children's Hospital. (619) 576-4072.
- August 22-24—**Pediatrics Update: 1988.** San Diego State University at Hyatt Islandia, San Diego. Mon-Wed. 18 hrs. \$295. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.
- October 15-20—American Academy of Pediatrics Annual Session.

 AAP. Sat-Thurs. Contact: AAP, 1801 Hinman Ave., Evanston, IL 60201.
- October 22-29—13th Annual Pediatrics for the Practitioner: A Pediatric Symposium. Center for Health Education at Mauna Kea Beach Hotel, Hawaii. One week. Contact: The Center for Health Education, PO Box 1428, Long Beach 90801-1428.

PSYCHIATRY

- April 15-16—3rd Annual Work and Mental Health Symposium. UCSF at Holiday Inn Union Square, San Francisco. Fri-Sat. 12 hrs. \$200. Contact: UCSF.
- April 23-24—The Cutting Edge 1988: Innovations in Psychotherapy: Helping Individuals and Couples to Change. UCSD at Hotel Del Coronado, San Diego. Sat-Sun. 13 hrs. \$275. Contact: UCSD
- May 23-24—Child Abuse. UCD at Holiday Inn Holidome, Sacramento. Mon-Tue. Contact: UCD.

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*A Richard S. Weiner, Ph.D., Director Fellow and Diplomate in Medical

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American Board of Anesthesiology, American College of Anesthesiology, Chief of Anesthesiology — Emanuel Medical Center, Member of American Academy of Pain Medicine

We can help effectively treat your patients suffering from chronic pain.

Chronic pain patients can be among the most difficult cases. The Institute of Pain Management can help you control their pain. Our multidisciplinary team of health professionals provides a comprehensive evaluation of each patient's condition. From this evaluation we develop a personal treatment program that blends traditional methods of pain management with holistic techniques. We give your patients hope as we help you return them to a more productive, fuller life.

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◄ Virgilio Ereso, M.D.

Diplomate — The American Board of Internal Medicine Pawan Chadha, M.D. ▶

Diplomate —American Board of Psychiatry and Neurology

*Member: International Association for the Study of Pain, American Association for the Study of Pain, Western USA Pain Society



*▲ Ward B. Studt, M.D., M.S.HA

Fellow American Academy of Orthopedic Surgeons, Fellow American College of Surgeons, Certified American Board of Orthopedic Surgeons



CONTINUING MEDICAL EDUCATION

(Continued from Page 482)

RADIOLOGY

April 29-May 1—13th Annual Spring Diagnostic Ultrasound Conference. Los Angeles Radiological Society at Century Plaza Hotel, Los Angeles. Fri-Sun. 20 hrs. \$325. Contact: Christopher M. Rose, MD, c/o Los Angeles Radiological Society—SDUC, PO Box 91215, Los Angeles 90009-1215. (213) 642-0921.

May 3-7—8th Annual Post Conference Seminar. Los Angeles Radiology Society at Kahala Hilton Hotel, Honolulu. Tues-Sat. 19 hrs. \$395. Contact: Christopher Rose, MD, c/o Los Angeles Radiological Society—SDUC, PO Box 91215, Los Angeles 90009-1215. (213) 642-0921.

July 28-31—Second Annual Symposium on Magnetic Resonance Imaging. Hoag Memorial Hospital at Ritz-Carleton Hotel, Laguna Niguel. Thurs-Sun. \$395. Contact: Mary J. Ryals and Associates, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

August 1-5—Modern Radiology Practice. UCSD at Fess Parker Red Lion Resort, Santa Barbara. Mon-Fri. 30 hrs. \$425. Contact: Mary J. Ryals and Associates, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

August 25-28—Fourth Annual Physics and Biology of Radiology. UCSD at La Jolla Village Inn. Thurs-Sat. 25 hrs. \$395. Contact: Mary J. Ryals and Associates, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

September 9-11—Fourth Annual Sonography Update and Review Course. UCSD at Hanalei Hotel, San Diego. Fri-Sun. 17 hrs. \$375. Contact: Mary J. Ryals and Associates, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

SURGERY

April 14-16—Postgraduate Course in General Surgery. UCSF. Thur-Sat. Contact: UCSF.

April 15-17—The 5th Annual San Diego Meeting on Arthroscopic Surgery of the Shoulder. Tri-City Orthopaedic & Sports Physical Therapy Medical Group, Inc. at La Jolla Marriott Hotel, La Jolla. Fri-Sun. Contact: James C. Esch, MD, 3905 Waring Rd, Oceanside 92056. (619) 724-9000.

April 16-23—Management of the Surgical Patient. Stanford University Medical Center at The Westin Mauna Kea, Hawaii. Sun-Fri. 25 hrs. \$495. Contact: Stanford.

April 29—Ultrasonic Liver Surgery: A Hands-on Workshop. UCD at Hyatt Regency, Sacramento. Fri. 8 hrs. \$250. Contact: UCD.

June 20-24—First International Symposium on Orbital Plastic Surgery. Plastic Surgery Education Foundation at San Francisco. Mon-Fri. Contact: PSEF, 233 N. Michigan Ave, Suite 1900, Chicago, Illinois 60601.

August 18-21—Discussions of Current Hand Care Concepts. Plastic Surgery Education Foundation at San Diego. Thurs-Sun. Contact: PSEF, 233 N. Michigan Ave, Suite 1900, Chicago, Illinois 60601.

September 17—Summary of Clinical Use of Argon, YAG and CO2 Lasers for Cutaneous Lesions. Palo Alto Medical Foundation at Palo Alto Medical Clinic. Sat. 6 hrs. Contact: Palo Alto Medical Clinic, 300 Homer Ave, Palo Alto 94301. (415) 321-4121.

OF INTEREST TO ALL PHYSICIANS

April 15-17—Office Orthopedics for the Primary Care Physicians. CMEA & Sharp Memorial Hospital at San Diego Princess Hotel. Fri-Sun. 20 hrs. \$395. Contact: Jacqueline Shiller, P.O. Box 84296, San Diego, 92138. (619) 223-2997.

April 16-23—Current Concepts in Allergy and Clinical Immunology. University of Washington at Maui, Hawaii. One week. Contact: U/W School of Medicine, Div of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

(Continued on Page 484)

CONTINUING MEDICAL EDUCATION

(Continued from Page 483)

- April 22-23—Comprehensive Care of the AIDS Patient: A Workshop. UCSF at San Francisco. Fri-Sat. Contact: UCSF.
- April 23—Current Concepts in Liver Diseases. Scripps Clinic and Research Foundation at Amphitheater, Scripps Clinic, La Jolla. Thur. 6 hrs. \$125. Contact: Bonny Mower, 10666 N. Torrey Pines Road, La Jolla, 92037. (619) 457-8556.
- May 5—Public Lecture Series on Aging. UCLA at the Westwood Methodist Church, Los Angeles. Thurs. \$10. Contact: UCLA.
- May 6-8—Diagnosis and Management of Respiratory Diseases. Medical Education Resources at Caesars Palace, Las Vegas, Nevada. Fri-Sun. 11-13 hrs. \$225-\$295. Contact: MER, 5080 S. Rapp St., Suite 202, Littleton, CO 80120. (800) 421-3756.
- May 11—Diabetes Mellitus. Loma Linda University at the Lobby Level Amphitheater. Wed. \$65. Contact: LLU.
- May 12-15—Decentralized Care of People With AIDS: An Educational Seminar for Developmental Approach. Sonoma County Academic Foundation for Excellence at Flamingo Hotel, Santa Rosa. Thurs-Sun. \$275. Contact: Mary Ellen Buechter, SCAFE, 3325 Chanate Rd, Santa Rosa, 95404. (707) 527-4121.
- May 14—4th Annual Physicians Conference. UCLA at Los Angeles. Wed. 7 hrs. \$75. Contact: UCLA.
- May 14—Prevention of Sexually Transmitted Diseases in Teens. Children's Hospital at the Merritt Peralta Health Education Center, Oakland. Sat. 6 hrs. \$60. Contact: Kim Leadon, Children's Hospital, 747 52nd St., Oakland. (415) 428-3021.
- May 15-20—Primary Care Medicine: Update '88. UCSF at the Waiohai Hotel, Hawaii. Sun-Fri. 20 hrs. \$425. Contact: UCSF.
- May 26-27—Current Concepts of Anatomic Pathology. UCSF. Thur-Fri. Contact: UCSF.
- May 31-June 4—Family Practice Refresher Course. UCLA at the Miramar-Sheraton Hotel, Santa Monica. Tues-Sat. 36 hrs. \$395. Contact: UCLA.
- June 2—Public Lecture Series on Aging. UCLA at the Westwood Methodist Church, Los Angeles. Thurs. \$10. Contact: UCLA.
- June 6-10—Occupational Respiratory Protection. USC. 4 hrs. Contact: Institute of Safety and Systems Management, 3500 S. Figueroa St., Ste. 202, Los Angeles, 90007. (213) 743-6523.
- June 8—AIDS. Loma Linda University. Wed. \$65. Contact: LLU.
- June 11-12—Procedure Skills for Primary Care Physicians. Current Concept Seminars at Ibus Hotel, Milbrae. Sat-Sun. Contact: Donald Berman, MD, Current Concept Seminars, 3301 Johnson St, Hollywood, Florida 33021. (305) 966-1009.
- June 13-14—Ergonomics: Building Efficiency and Safety in the Work place. USC. Mon-Tues. 2 hrs. Contact: Institute of Safety and Systems Management, 3500 S. Figueroa St., Ste. 202, Los Angeles, 90007. (213) 743-6523.
- June 13-17—Family Practice Refresher Course. UCI at Sheraton Newport, Newport Beach. Mon-Fri. 44.5 hrs. \$575. Contact: UCI.
- June 13-18—UCI Family Practice Refresher Course. UCI and Memorial Medical Center at Sheraton Newport Hotel, Newport Beach. Mon-Sat. Contact: Memorial Medical Center, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.
- June 14-17—Society of Nuclear Medicine Annual Meeting. SNM at Moscone Convention Center, San Francisco. Contact: SNM, 475 Park Ave. S., New York, 10016. (212) 889-0717.
- June 15-16—AIDS/ARC: Update 1988. UCSF at the Civic Auditorium, San Francisco. Fri-Sat. Contact: UCSF.
- June 18-19—Skills Workshop: Flexible Sigmoidoscopy and Colposcopy. UCI at Sheraton Newport, Newport Beach. Sat-Sun. 16 hrs. \$140-ea., \$250-both. Contact: UCI.
- June 25-26—10th Annual Poison Control Center Symposium on Toxicology and Poisoning. UCSF and Continuing Medical Education in Pharmacy at San Francisco. Sat-Sun. 14 hrs. \$235. Contact: Continuing Education S/P, UCSF, Box 0446, San Francisco 94143. (415) 476-4194.
- July 14-17—Decentralized Care of People With AIDS: An Educational Seminar for Developmental Approach. Sonoma County Academic Foundation for Excellence at Flamingo Hotel, Santa Rosa. Thurs-Sun. \$275. Contact: Mary Ellen Buechter, SCAFE, 3325 Chanate Rd, Santa Rosa, 95404. (707) 527-4121.
- July 15-18—Caring for People With AIDS and Their Loved Ones. Concern for Dying: an Educational Council, at Bishop's Ranch, Healdsburg. Fri-Mon. Contact: Penny Weingarten, 250 West 57th St., Room 831, New York, NY 10107. (800) 248-2122.

- July 27-31—Wilderness Medicine '88. Wilderness Medical Society at Squaw Valley, Lake Tahoe. Wed-Sun. 22 hrs. Contact: Jackie Silva, Coordinator, Mountain Medical Seminars, PO Box 321, Yreka, 96097. (916) 842-4667.
- August 3-6—15th Annual Meeting: The Peruvian American Medical Society at Westin Bonaventure Hotel, Los Angeles. Wed-Sat. Contact: Hugo Ortiz, MD, Chairman, Scientific Program, 6488 Tamerlane Dr, West Bloomfield, MI 48322.
- August 13-20—8th Annual Symposium on Fine Needle Aspiration. UCSF at Kaanapali Beach, Maui. 1 week. 25 hrs. Contact: UCSF.
- September 15-18—Decentralized Care of People With AIDS: An Educational Seminar for Developmental Approach. Sonoma County Academic Foundation for Excellence at Flamingo Hotel, Santa Rosa. Thurs-Sun. \$275. Contact: Mary Ellen Buechter, SCAFE, 3325 Chanate Rd, Santa Rosa, 95404. (707) 527-4121.
- September 28-30—Primary Care Medicine: Principles and Practice. UCSF at the Portman Hotel, San Francisco. Wed-Fri. \$365. Contact: UCSF.
- November 10-13—Sexual Literacy: What is it? What do we know? What do we need to know? Whose responsibility is it? The Society for the Scientific Study of Sex at the Cathedral Hill Hotel, San Francisco. Thurs-Sun. Contact: Bernard Goldstein, San Francisco State University, Biology Dept., 1600 Holloway Ave., San Francisco, 94132. (415) 338-1548.

IDAHO

- May 12—Managing Major Radiation Accidents. Idaho Falls Medical Society and Idaho National Engineering Laboratory Occupational Medical Program. Thurs. A one-day seminar with optional one-day tour of INEL on May 11. 7 hrs Cat 1, ACEP and AAFP Prescribed. \$50. Contact: Tom Schumann, MD, PO Box 1625, Idaho Falls 83402-3125. (208) 526-1596.
- July 21-23—Idaho Medical Association Annual Meeting. Sun Valley. Thurs-Sat. Contact: IMA, 305 W. Jefferson, PO Box 2668, Boise 83701 (208) 344-7888.

MONTANA

September 29-October 1—Montana Medical Association Annual Meeting. Heritage Inn, Great Falls. Fri-Sat. Contact: MMA, 2012 11th Avc., Suite 12, Helena 59601. (406) 443-4000.

NEW MEXICO

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

April 21-23—10th Annual Pediatric Cardio-Pulmonary Update. Sheraton Old Town, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.

(Continued on Page 485)

CONTINUING MEDICAL EDUCATION

(Continued from Page 484)

- April 29-May 1—Southwest Allergy Forum. Eldorado Hotel, Sante Fe. Contact: UNM SOM, Office of CME, (505) 277-3942.
- May 5-7—NM Medical Society Annual Meeting—AIDS—Reducing the Risk and Chemical Dependency Seminar. Physicians Mutual Liability Insurance Co Loss Control Seminar. Albuquerque Hilton Inn. Contact: New Mexico Medical Society, 303 San Mateo NE, Albuquerque 87108. (505) 266-7868.
- May 13—The Physician in Crisis. Presbyterian Hospital Quality of Life Committee. Contact: Mary Boning, RN, PO Box 26666, Albuquerque 87125. (505) 841-1225.
- May 14-Cardiac Physical Diagnosis Symposium. Contact: UNM SOM, Office of CME, (505) 277-3942.
- May 19-20-Mental Health Services With Hispanic and Native American Children and Families. Contact: UNM SOM, Office of CME, (505) 277-3942.
- June 2-3-8th Annual UNM/ACEP Emergency Medicine Symposium. AMFAC Hotel, Albuquerque. Contact: UNM SOM, Office of CME, (505) 277-3942.
- July 18-21—Ruidoso Family Practice Seminar. Inn of the Mountain Gods, Mescalero. Contact: NM Chapter, AAFP, PO Box 23070, Albuquerque 87192. (505) 298-5300.
- July 22-24—Diagnosis and Management of Arrhythmia. Contact: Presbyterian Heart Institute, Albuquerque, (505) 841-1065/(505)
- October 28-29—New Mexico Medical Society Interim Meeting and Loss Control Seminar, Physicians Mutual Liability Insurance Co. Journal Center Pyramid Holiday Inn, Albuquerque. Contact: New Mexico Medical Society, 303 San Mateo NE, Albuquerque 87108. (505) 266-7868.

UTAH

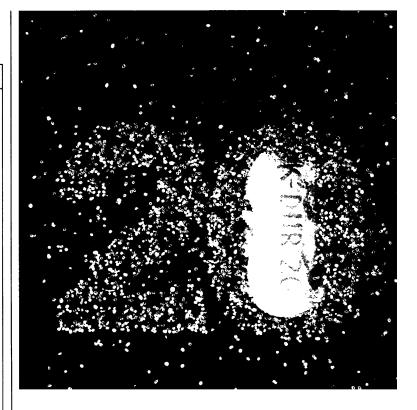
This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

MEDICAL GRAND ROUNDS

- Each Wed-8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.
- April 22-Hypercholesterolemia (Sponsor: UUMC). Fri. Park Hotel, Salt Lake City. Contact: Rosalie Lammle, (801) 581-8664.
- May 5-6—Ethics and Health: Quality Care in the Age of Cost-consciousness (Sponsor: UUMC). Thurs-Fri. Union Building, University of Utah. Contact: (801) 581-5705.
- July 17-22-6th Annual Update in Clinical Microbiology and Immunology (Sponsor: UUMC). Sun-Fri. 25 hours. Jackson Hole, Wyoming. Contact: (801) 581-7408.
- August 13-15—Retrieved Implants and Biomaterials (Sponsor: UUMC). Fri-Sun. Contact: Rosalie Lammle, (801) 581-8664.

(Continued on Page 486)



Most patients need only one.

K-DUR[™]20 Microburst Release System

(potassium chloride) 20mEq Sustained Release

A daily prophylactic dose in a single tablet.

Please see next page for brief summary of prescribing information.

Key Pharmaceuticals, Inc. Kenilworth, NJ 07033
World leader in drug delivery systems.

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K-DUR Microburst Release System (potassium chloride) Sustained Release Tablets

INDICATIONS AND USAGE: BECAUSE OF REPORTS OF INTESTINAL AND GASTRIC ULCERATION AND BLEEDING WITH SLOW-RELEASE POTASSIUM CHLORIDE PREPARATIONS. THESE DRUGS SHOULD BE RESERVED FOR THOSE PATIENTS WHO CANNOT TOLERATE OR REFUSE TO TAKE LIQUID OR EFFERVESCOTA TOTASSE UN PREPARATIONS OR FOR PATIENTS IN WHOM THERE IS A PROBLEM OF COMPLIANCE WITH THESE PREPARATIONS.

1. For therapeutic use in patients with hypokalemia with or without metabolic alkalosis, in digitalis intoxication and in patients with hypokalemic familial periodic paralysis.

2. For the prevention of potassium depletion when the dietary intake is inadequate in the following conditions: Patients receiving digitalis and diuretics for congestive heart failure, hepatic cirrhosis with ascites, states of aldosterone excess with normal renal function, potassium-losing nephropathy, and with certain diarrheal states.

with ascites, states or allosterione excess with normal renarrowship, possible and with certain diarrheal states.

3. The use of potassium salts in patients receiving diuretics for uncomplicated essential hypertension is often unnecessary when such patients have a normal dietary pattern. Serum potassium should be checked periodically, however, and if hypokalemia occurs, dietary supplementation with potassium-containing foods may be adequate to control milder cases. In more severe cases supplementation with potassium salts may be indicated.

CONTRAINDICATIONS: Potassium supplements are contraindicated in patients with hyperkalemia since a further increase in serum potassium concentration in such patients can produce cardiac arrest. Hyperkalemia may complicate any of the following conditions: Chronic renal failure, systemic acidosis such as diabetic acidosis, acute dehydration, extensive tissue breakdown as in severe burns, adrenal insufficiency, or the administration of a potassium-sparing diuretic (e.g., spironolactone, triamterene).

adrenal insufficiency, or the administration of a potassium-sparing diuretic (e.g., spironolactone, triamterene).

Wax-matrix potassium chloride preparations have produced esophageal ulceration in certain cardiac patients with esophageal compression due to enlarged left atrium.

All solid dosage forms of potassium chloride supplements are contraindicated in any patient in whom there is cause for arrest or delay in tablet passage through the gastrointestinal tract. In these instances, potassium supplementation should be with a liquid preparation.

WarNINGS: Hyperkalemia—In patients with impaired mechanisms for excreting potassium, the administration of potassium salts can produce hyperkalemia and cardiac arrest. This occurs most commonly in patients given potassium by the intravenous route but may also occur in patients given potassium salts can produce hyperkalemia and cerdiac arrest. This occurs most commonly in patients given potassium by the intravenous route but may also occur in patients given potassium salts in patients with chronic renal disease, or any other condition which impairs potassium excretion, requires particularly careful monitoring of the serum potassium concentration and appropriate dosage adjustment.

Interaction with Potassium Sparing Diuretics—Hypokalemia should not be treated by the concomitant administration of potassium salts and a potassium-sparing diuretic (e.g., spironolactone or triamterene) since the simultaneous administration of these agents can produce severe hyperkalemia Castrointestinal Lesions—Potassium should should have been supported to a potassium in in the region of a rapidly dissolving tablet, which injures the bowel wall and thereby produces obstruction, hemorrhage or perforation.

K-DUR tablets contain micro-crystalloids which disperse upon disintegration of the tablet. These micro-crystalloids are formulated to provide a controlled release of potassium chloride. The dispersibility of the micro-crystalloids which disperse on the influence of the botalet. These micro-

occurs.

Metabolic Acidosis — Hypokalemia in patients with metabolic acidosis should be treated with an alkalinizing potassium salt such as potassium bicarbonate, potassium citrate, potassium acetate, or potassium gluconate.

aixainizing potassium salt such as potassium bicarbonate, potassium citrate, potassium acetate, or potassium gluconate.

PRECAUTIONS: The diagnosis of potassium depletion is ordinarily made by demonstrating hypokalemia in a patient with a clinical history suggesting some cause for potassium depletion. In interpreting the serum potassium potassium selection and that acute alkalosis per se can produce hypokalemia in the absence of a deficit in total body potassium while acute acidosis per se can increase the serum potassium concentration into the normal range even in the presence of a reduced total body potassium. The treatment of potassium depletion, particularly in the presence of cardiac disease, renal disease, or acidosis requires careful attention to acid-base balance and appropriate monitoring of serum electrolytes, the electrocardiogram, and the clinical status of the patient.

Laboratory Tests: Regular serum potassium determinations are recommended. In addition, during the treatment of potassium depletion, careful attention should be paid to acid-base balance, other serum electrolyte levels, the electrocardiogram, and the clinical status of the patient, particularly in the presence of cardiac disease, renal disease, or acidosis.

Drug Interactions: Potassium-sparing diuretics; see WARNINGS.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Long-term carcinogenicity studies in animals have not been performed.

Pregnancy Category C: Animal reproduction studies have not been conducted with K-DUR. It is also not known whether K-DUR can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. K-DUR should be given to a pregnant woman only if clearly needed.

Nursing Mothers: The normal potassium ion content of human milk, about 13 mEq per liter. Since oral potassium becomes part of the body potassium pol. so long as body potassium is not excessive, the contribution of potassium chloride supplementation should have little or no effect on the level in human milk.

Pediatric Use: Safety and effectiveness in children have not been established.

ADVERSE REACTIONS: One of the most severe adverse effects is hyperkalemia (see CONTRAINDICATIONS, WARNINGS, and OVERDOSAGE). There have also been reports of upper and lower gastrointestinal conditions including obstruction, bleeding, ulceration, and perforation (see CONTRAINDICATIONS and WARNINGS); other factors known to be associated with such conditions were present in many of

and WARNINGS); other factors known to be associated these patients.

The most common adverse reactions to oral potassium salts are nausea, vomiting, abdominal discomfort, and diarrhea. These symptoms are due to irritation of the gastrointestinal tract and are best managed by taking the dose with meals or reducing the dose.

Skin rash has been reported rarely.

Skin rash has been reported rarely.

OVERDOSAGE: The administration of oral potassium salts to persons with normal excretory mechanisms for potassium rarely causes serious hyperkalemia. However, if excretory mechanisms are impaired or if potassium is administered too rapidly intravenously, potentially fatal hyperkalemia can result (see CONTRAINDICATIONS and WARNINGS). It is important to recognize that hyperkalemia is usually asymptomatic and may be manifested only by an increased serum potassium concentration and characteristic electrocardiographic changes (peaking of 1-waves, loss of P-waves, depression of S-T segment, and prolongation of the QT-interval). Late manifestations include muscle-paralysis and cardiovascular collapse from cardiac arrest.

Treatment measures for hyperkalemia include the following:

1. Elimination of loods and medications containing potassium and of potassium-sparing diuretics.

2. Intravenous administration of 300 to 500 ml/hr of 10% dextrose solution containing 10–20 units of insulin per 1,000 ml.

- of insulin per 1,000 ml.

of insulin per 1,000 mil.

3. Correction of acidosis, if present, with intravenous sodium bicarbonate.

4. Use of exchange resins, hemodialysis, or peritoneal dialysis.
In treating hyperkalemia, it should be recalled that in patients who have been stabilized on digitalis, too rapid a lowering of the serum potassium concentration can produce digitalis toxicity.

Rev. 4/87

Key Pharmaceuticals, Inc. Kenilworth, NJ 07033 (USA) World leader in drug delivery systems.

CONTINUING MEDICAL EDUCATION

(Continued from Page 485)

SPONSORS OF COURSES—ABBREVIATIONS

American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.

BYUHS: Brigham Young University Health Services, McDonald Student Health Center, Brigham Young University, Provo 84602. (801) 378-2771.

Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, CH: Price 84501. (801) 637-4800

Cottonwood Hospital, 5770 S 300 East, Salt Lake City 84101. (801) CWH:

DMC: Dixie Medical Center, 544 S 400 East, St George 84770. (801) 673-9681.

HCH: Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801)

Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City ITS: 84105. (801) 484-4456.

LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) LDSH: 321-1100.

Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050. LRH:

McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. MDH: (801) 399-4141.

MVH: Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.

144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. 144: (801) 524-3924

Ogden Surgical Society, PO Box 9311, Ogden 84409. OSS:

Primary Children's Medical Center, 320 12th Ave, Salt Lake City 84103. (801) 363-1221. PCMC:

PVH: Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061

SMH: St Mark's Hospital, 1200 E 3900 South, Salt Lake City 84117. (801) 268-7111.

UOS: Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.

Utah State Hospital, PO Box 270, Provo 84603-0270. (801) USH:

University of Utah Medical Center, 50 N Medical Dr, Salt Lake City $84132.\,(801)\,581\text{-}2258.$ UUMC:

UVRMC: Utah Valley Regional Medical Center, 1034 N Fifth West, Provo 84604. (801) 373-7850.

Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake VAMC: City 84148. (801) 582-1565.

VVMC: Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

April 16-20-American Radium Society-Seventieth Annual Meeting. Seattle. Sat-Wed. Contact: Ms Suzanne Bohn, ARS, Philadelphia, PA. (215) 574-3179.

April 18-28-Review of Physical Medicine and Rehabilitation. Seattle. Sat-Sat-Tues. Contact: U/W, Maria Lilja, (206) 543-1050.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)-Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

(Continued on Page 488)

The Western Journal of Medicine



AIDS— A Global **Perspective**

he short and remarkable history of AIDS epidemiology began in 1981 with the description of the clinical syndrome in California and New York. In the 6 years that have followed, intensive epidemiologic studies have defined the mode of spread of AIDS and laid the foundation for current control efforts. Serosurveys and retrospective clinical studies have been used to trace the temporal origins of the pandemic prior to 1981, while prospective studies and an increasingly comprehensive worldwide surveillance system have provided more accurate data for the years following 1981. AIDS cases have now been reported and investigated throughout the world.

This issue, from the Special Programme on AIDS of the World Health Organization, considers the methods and limitations of AIDS case reporting and HIV serologic studies, summarizes modes of HIV transmission, defines geographic patterns of spread, and examines the epidemi-ology of HIV infections by continent.

-Jonathan M. Mann, MD Director. Special Programme on AIDS World Health Organization,

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11 to 50		. 3.50
11 to 50 More than 50		. 3.00



Medical **Informatics**

would suggest that the computer in its relation to medicine is analogous to that of the microscope in the last century. . . . The analogous role that I believe the computer is now taking on is also that of a breakthrough tool-one enabling us to explore and better understand the informational and cognitive foundations of medicine. Its application to the classification and retrieval of data and to the management of information will result in a deeper insight into the structure of medical information and knowledge itself.

-Marsden S. Blois, PhD, MD



ence seems to come in rushes. There are long periods of time during which we mainly finetune the status quo: third-generation drugs, better optics for endoscopes, more accurate assays, rapid development of x-ray film and so forth. Then, out of nowhere, a surge of new discoveries whose potential applications to medical practice seem limitless takes our breath away. We are now in such an epoch. Powerful and precise lasers. Almost unbelievable organ transplantation. Complex and uniquely informative magnetic resonance imaging and positron emission tomography. Exquisitely specific monoclonal antibodies. And the immense potential of modern mo-lecular biology. This rush of new advances, collapsed into such a brief period of time, boggles the mind.

—R. Paul Robertson, MD



Personal Health Maintenance

he goal of this special issue is to provide an authoritative, current guide to disease preven-tion and health promotion. The contributors are distinguished experts in public health, epidemiology and clinical medicine.

-John H. Holbrook, MD



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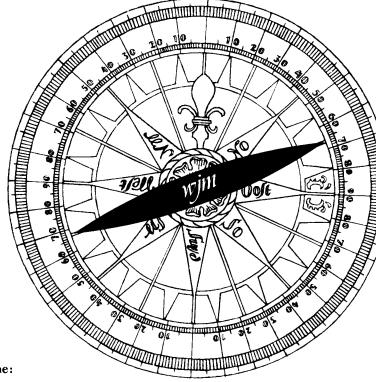
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